

Saveetha Institute of Medical and Technical  
Sciences

**Vision:**

To be and to be recognized for setting the standards of excellence in professional education and high quality scientific research.

**Mission:**

To Promote Academic Excellence, widen intellectual horizons, inculcate self discipline, and high ideals for the total personality development of individual to convert a novice into a competent professional with excellent theoretical knowledge and unsurpassed practical / clinical skills and to motivate interest in research activities, further education and social service.

# Saveetha Dental College

Saveetha Institute of Medical and Technical Sciences

(SIMATS) PO CO mapping for

MDS Oral Medicine and Radiology[1510]

Program Outcome MDS	
PO1	Sound Theoretical Knowledge and Clinical / Practical Skills
PO2:	Ability to communicate and express concepts with basic pedagogical principles
PO3:	Sound Understanding of Research and ability to take up and complete independent research projects
PO4	Develop an aptitude for interdisciplinary diagnosis, prognosis and treatment planning.
PO5	Ability to apply and integrate basic science theory in their speciality knowledge.
PO6	Acquire sound principles in ethics and empathy

PSO MDS [1510] Oral Medicine and Radiology	
PSO1	Knowledge on history taking ,clinical examination skills and investigatory procedures.
PSO2	Knowledge of safe effective current best evidence based patient care.
PSO3	Knowledge on pharmacotherapeutics, drug prescription, drug administration and monitoring response to therapy.
PSO4	Knowledge on chair side operative techniques like local anesthesia administration, biopsy taking, laser and cryotherapy procedures.
PSO5	Knowledge, assessment and management of Maxillofacial soft tissue disorders - infections,iatrogenic, Allergy and hypersensitivity, Ulcerative lesions, pigmented lesions and immunologically mediated.
PSO6	Knowledge, assessment and management of oral potentially malignant

	<b>disorders and appropriate referral for Head and Neck Malignancies.</b>
<b>PSO7</b>	<b>Knowledge, assessment and medical management of salivary gland pathologies.</b>
<b>PSO8</b>	<b>Accurate diagnosis and management of Orofacial pain of odontogenic and non-odontogenic origin- Neurological, Temporomandibular, Atypical and psychogenic.</b>
<b>PSO9</b>	<b>Knowledge and medical management of Orofacial lesions from systemic disorders.</b>
<b>PSO 10</b>	<b>Assessment, investigation, liaison with medical team for dental care of Special needs patients- Physical, Sensory disabilities, Oncology, Geriatric and medically compromised.</b>
<b>PSO 11</b>	<b>Ability to recognise and manage medical emergencies in dental practice.</b>
<b>PSO 12</b>	<b>Knowledge awareness and clinical implications on Radiation physics, radiation protection, statutory body guidelines and radiology equipment.</b>
<b>PSO 13</b>	<b>Knowledge competency and skill in acquisition analysis diagnosis and reporting of 2D Imaging</b>
<b>PSO 14</b>	<b>Knowledge Competency and skill in acquisition analysis diagnosis and reporting of 3D Imaging</b>

<b>Course Details: MDS: 001 [Applied Basic Medical Sciences - ABMS]</b>		
<b>Course Outcome</b>		<b>PO PSO MAPPING</b>
<b>CO1</b>	Knowledge of applied Anatomy, Physiology, Biochemistry Physiology, Pathology, Microbiology in respective clinical specialties.	PO5 PSO5

CO2	Knowledge and applications of molecular biology and genetics in disease pathogenesis, diagnosis in clinical practice	PO5 PSO5
CO3	Knowledge of applied material sciences in developing treatment strategies	PO1 PO4 PO5 PSO2
CO4	Knowledge on infection protocol in clinical practice	PO1 PO4 PO5 PSO2 PSO3
Outcome Evaluation (100 marks)		<b>PO PSO MAPPING</b>
Total Score ( Summative = 100 marks)		
ST	Theory exam-100 marks	PO1 PO4 PO5 PSO2 PSO3 PSO5 CO1, CO2, CO3, CO4

Outcome Analysis (100 marks)			
	Outcome Evaluation (100 marks) Total Score (Summative= 100 marks)	PO PSO CO Mapping	Outcome Analysis 2021
ST	Theory Exam	PO1 PO4 PO5 PSO2 PSO3 PSO5 CO1, CO2, CO3, CO4	<b>72</b>
<b>Legend:</b>			
<ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY,</li> <li>• FT FORMATIVE THEORY</li> </ul>			

Course Details: MDS: 002 [Research Methodology and Biostatistics]

Course Outcome		PO PSO MAPPING
CO1	Should know the basics of clinical epidemiology	PO3
CO2	Should know the importance of ethics in research	PO3 PO6
CO2	Should have the knowledge of various study designs namely Cohort, Case control, Cross sectional, Clinical trial and Diagnostic studies	PO3
CO3	Should be able to define the hypothesis and frame the research question in PICO format	PO3
CO4	Should know the various reporting guidelines	PO3 PO6
CO5	Should be able to critically analyze the topic with emphasis on quality assessment	PO3
CO6	Understanding of Descriptive and Inferential statistical tests and interpretation.	PO3
CO7	Knowledge on types of data and to arrive at sample size determination for the research projects to be undertaken using G power analysis.	PO3
CO8	Knowledge on parametric and non parametric statistical analysis and choosing of appropriate tests based on the outcome variables.	PO3
CO9	Application of Descriptive and Inferential statistical analysis of data using statistical software SPSS	PO3

	Outcome Evaluation (100 marks) Total Score (Summative = 100 marks)	PO PSO CO Mapping
ST	Theory exam-100 marks	PO3 PO6 CO1, CO2, CO3, CO4, CO5, CO6, CO7, CO8, CO9
FT	Assessment of activities and assignments (100 marks)	PO3 PO6 CO1, CO2, CO3, CO4, CO5, CO6, CO7, CO8, CO9

Outcome Analysis (100 marks)			
	Outcome Evaluation (100 marks)	PO PSO CO Mapping	Outcome Analysis 2021
ST	Theory Exam	PO3 PO6 CO1, CO2, CO3, CO4, CO5, CO6, CO7, CO8, CO9	<b>70</b>
FT	Formative Assessment	PO3 PO6 CO1, CO2, CO3, CO4, CO5, CO6, CO7, CO8, CO9	<b>84</b>
<b>Legend:</b>			
<ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY,</li> <li>• FT FORMATIVE THEORY</li> </ul>			

**Course Details: MDS: 711 History Taking, Clinical Examination & Laboratory Investigations- Theory**

<b>Course Outcome</b>		<b>PO PSO MAPPING</b>
<b>CO1</b>	<b>Thorough understanding and clinical implications in history taking (dental/medical/personal)</b>	<b>PO1 PO2 PO4 PO6 PSO1 PSO2</b>
<b>CO2</b>	<b>Appropriate knowledge and implications of structured pain and psychological questionnaires during history taking.</b>	<b>PO1 PO2 PO6 PSO1</b>
<b>CO3</b>	<b>Effective clinical correlation of anatomic and pathological basis of different clinical signs and symptoms.</b>	<b>PO1 PO2 PO5 PO6</b>
<b>CO4</b>	<b>Understanding of all available chairside investigations for maxillofacial disorders.</b>	<b>PO1 PO2 PO6 PSO1 PSO2 PSO4</b>
<b>CO5</b>	<b>Ability to interpret the spectrum of laboratory investigations and insight to choose the most appropriate investigation.</b>	<b>PO1 PO5 PO6 PSO1 PSO2</b>
	<b>Outcome Evaluation (100 marks)</b>	<b>PO PSO CO Mapping</b>
<b>ST</b>	<b>CAT ( 2 Essays) (2* 15= 30 marks)</b>	<b>PO1 PO2 PO4 PO5 PO6 PSO1 PSO2 CO1 CO2 CO3 CO4 CO5</b>
<b>ST</b>	<b>Concept Map (4 x 5 = 20 marks)</b>	<b>PO1 PO2 PO4 PO5 PO6 PSO1 PSO2 CO1 CO2 CO3 CO4 CO5</b>
<b>ST</b>	<b>Objectives (1* 50= 50 marks)</b>	<b>PO1 PO2 PO4 PO5 PO6 PSO1 PSO2 CO1 CO2 CO3 CO4 CO5</b>
<b>FT</b>	<b>Weighted percentile scores of Periodic Tests converted for 100 marks</b>	<b>PO1 PO2 PO4 PO5 PO6 PSO1 PSO2 CO1 CO2 CO3 CO4 CO5</b>

<b>FT</b>	<b>Mean ARMS daily participation score converted for 100 marks.</b>	<b>PO1 PO2 PO4 PO5 PO6 PSO1 PSO2 CO1 CO2 CO3 CO4 CO5</b>
<b>Legend:</b> <ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY</li> <li>• FT FORMATIVE THEORY</li> </ul>		

<b>Outcome Analysis</b>			
	<b>Outcome Evaluation</b>	<b>PO PSO CO Mapping</b>	<b>Outcome Analysis 2021</b>
<b>ST</b>	<b>CAT ( 2 Essays) (2* 15= 30 marks)</b>	<b>PO1 PO2 PO4 PO5 PO6 PSO1 PSO2 CO1 CO2 CO3 CO4 CO5</b>	<b>82</b>
<b>ST</b>	<b>Concept Map (4 x 5 = 20 marks)</b>	<b>PO1 PO2 PO4 PO5 PO6 PSO1 PSO2 CO1 CO2 CO3 CO4 CO5</b>	<b>82</b>
<b>ST</b>	<b>Objectives (1* 50= 50 marks)</b>	<b>PO1 PO2 PO4 PO5 PO6 PSO1 PSO2 CO1 CO2 CO3 CO4 CO5</b>	<b>82</b>
<b>FT</b>	<b>Weighted percentile scores of Periodic Tests converted for 100 marks</b>	<b>PO1 PO2 PO4 PO5 PO6 PSO1 PSO2 CO1 CO2 CO3 CO4 CO5</b>	<b>75</b>
<b>FT</b>	<b>Mean ARMS daily participation score converted for 100 marks.</b>	<b>PO1 PO2 PO4 PO5 PO6 PSO1 PSO2 CO1 CO2 CO3 CO4 CO5</b>	<b>88</b>
<b>Legend:</b> <ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY</li> <li>• FT FORMATIVE THEORY</li> </ul>			





<b>Course Details: MDS: 712</b> <b>Patient assessment and Evaluation (Practicals)</b>		
<b>Course Outcome</b>		<b>PO PSO MAPPING</b>
<b>CO1</b>	<b>Effective Assessment of patient illness and correlation to Oral Medicine practice</b>	<b>PO1 PO2 PO4 PO6 PSO1 PSO2 PSO5 PSO6 PSO7 PSO8 PSO10</b>
<b>CO2</b>	<b>Elicit appropriate diagnosis through history and clinical examination</b>	<b>PO1 PO2 PO4 PO6 PSO1 PSO2 PSO5 PSO6 PSO7 PSO8 PSO10</b>
<b>CO3</b>	<b>Performance of appropriate clinical examination with respect to patient complaints</b>	<b>PO1 PO2 PO4 PO5 PO6 PSO1 PSO2 PSO4 PSO5 PSO6 PSO7 PSO8PSO9 PSO10</b>
<b>CO4</b>	<b>Interpretation of investigatory results to the presenting disease condition.</b>	<b>PO1 PO2 PSO1</b>
<b>CO5</b>	<b>Interaction with medical colleagues to ascertain implications of investigatory findings to patients general and oral health.</b>	<b>PO2 PO6 PSO10 PSO11</b>
	<b>Outcome Evaluation (100 marks)</b>	<b>PO PSO CO Mapping</b>

SP	<b>Practicals (80 marks)</b> <b>Recording and presentation of history in a patient, performance of clinical examination under observation, substantiation of the prescribed investigations and interpretation of results with respect to case presentation.</b>	<b>PO1 PO2 PO4 PO5          PO6 PSO1 PSO2          PSO4 PSO5 PSO6          PSO7 PSO8 PSO9          PSO10 PSO11          CO1, CO2, CO3, CO4,          CO5</b>
SV	<b>VIVA MARKS (20 marks)</b>	<b>PO1 PO2 PO4 PO5          PO6 PSO1 PSO2          PSO4 PSO5 PSO6          PSO7 PSO8 PSO9          PSO10 PSO11          CO1, CO2, CO3, CO4,          CO5</b>
FC	<b>Practical exercise activity score - 100 marks</b>  <b>Documentations of best cases (50 marks)</b>  <b>DIAS Score (50 marks)</b>	<b>PO1 PO2 PO4 PO5          PO6 PSO1 PSO2          PSO4 PSO5 PSO6          PSO7 PSO8 PSO9          PSO10 PSO11          CO1, CO2, CO3, CO4,          CO5</b>
FRC	<b>Research poster/paper presentation / publication scores, and awards - 50 marks</b>	<b>PO1 PO2 PO4 PO5          PO6 PSO1 PSO2          PSO4 PSO5 PSO6          PSO7 PSO8 PSO9          PSO10 PSO11           CO1, CO2, CO3, CO4,          CO5</b>
<b>Legend:</b> <ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY,</li> <li>• SP SUMMATIVE PRACTICAL,</li> <li>• SV SUMMATIVE VIVA,</li> <li>• FT FORMATIVE THEORY,</li> <li>• FP FORMATIVE PRACTICAL,</li> <li>• FC FORMATIVE CLINICAL</li> <li>• FRC FORMATIVE RESEARCH - CO-CURRICULAR</li> </ul>		

Result Analysis :

<b>Course Details: MDS: 712</b> <b>Patient assessment and Evaluation (Practicals)</b>			
<b>Outcome Analysis</b>			
	<b>Outcome Evaluation ( 100 marks)</b>  Total Score (Summative= 100 marks)	<b>PO PSO CO Mapping</b>	<b>Outcome Analysis 2021</b>
<b>SP</b>	<b>Practicals (80 Marks) Recording and presentation of history in a patient, performance of clinical examination under observation, substantiation of the prescribed investigations and interpretation of results with respect to case presentation.</b>	<b>PO1 PO2 PO4 PO6 PSO1 PSO2 PSO4 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO11 CO1, CO2, CO3, CO4, CO5</b>	<b>76</b>
<b>ST</b>	<b>VIVA MARKS 20 Marks</b>	<b>PO1 PO2 PO4 PO6 PSO1 PSO2 PSO4 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO11 CO1, CO2, CO3, CO4, CO5</b>	<b>75</b>
<b>FC</b>	<b>Practical exercise activity score - 100 marks</b>	<b>PO1 PO2 PO4 PO6 PSO1 PSO2 PSO4 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO11</b>	<b>75</b>

	<p>Documentations of best cases (50 marks)</p> <p>DIAS Score (50 marks)</p>	CO1, CO2, CO3, CO4, CO5	
FRC	<p>Research poster/paper presentation / publication scores, and awards - 50 marks</p>	<p>PO1 PO2 PO4 PO6 PSO1          PSO2 PSO4 PSO5 PSO6          PSO7 PSO8 PSO9 PSO10          PSO11          CO1, CO2, CO3, CO4, CO5</p>	80
<p><b>Legend:</b></p> <ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY,</li> <li>• SP SUMMATIVE PRACTICAL,</li> <li>• SV SUMMATIVE VIVA,</li> <li>• FT FORMATIVE THEORY,</li> <li>• FP FORMATIVE PRACTICAL,</li> <li>• FC FORMATIVE CLINICAL</li> <li>• FRC FORMATIVE RESEARCH - CO-CURRICULAR</li> </ul>			

<b>Course Details: MDS: 713 Therapeutics and Operative Intervention in Oral Medicine Practice, Tooth Disorders - Theory</b>		
<b>Course Outcome</b>		<b>PO PSO MAPPING</b>
CO1	Awareness of latest drug dosing for pediatric , adult and geriatric population and side effects of drug usage	PO1 PO5 PO6 PSO2 PSO3 PSO4 PSO13 PSO14
CO2	Update on evidence based use of topical and systemic drugs	PO1 PO5 PO6 PSO2 PSO3 PSO11
CO3	Knowledge of invasive and non invasive investigatory procedures and measures to deal with complications of different intraoperative techniques	PO1 PO6 PSO2 PSO4 PSO11

CO4	Knowledge of genetic and clinical reasons with available management options of various morphological and structural disorders.	PO1 PSO1 PSO13 PSO14
CO5	Knowledge and protocol procedures in diagnosis and management of syndromic and non syndromic tooth disorders	PO1 PO2 PSO13 PSO14
	<b>Outcome Evaluation (100 marks)</b>	<b>PO PSO MAPPING</b>
ST	CAT ( 2 Essays) (2* 15= 30 marks)	PO1 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO11 PSO13 PSO14 CO1,CO2,CO3,CO4, CO5
ST	Concept Map (4 x 5 = 20 marks)	PO1 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO11 PSO13 PSO14 CO1,CO2,CO3,CO4, CO5
ST	Objectives (1* 50= 50 marks)	PO1 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO11 PSO13 PSO14  CO1,CO2,CO3,CO4, CO5
FT	Case based learning and discussion, Observation and assisting intraoperative procedures	PO1 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO11 PSO13 PSO14  CO1,CO2,CO3,CO4, CO5
<b>Legend:</b> <ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY,</li> <li>• FT FORMATIVE THEORY</li> </ul>		

## Outcome Analysis

	<b>Outcome Evaluation ( 100 marks)</b>  Total Score (Summative= 100 marks)	<b>PO PSO CO Mapping</b>	<b>Outcome Analysis 2021</b>
ST	CAT ( 2 Essays) (2* 15= 30 marks)	PO1 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO11 PSO13 PSO14 CO1,CO2,CO3,CO4, CO5	80
ST	Concept Map (4 x 5 = 20 marks)	PO1 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO11 PSO13 PSO14 CO1,CO2,CO3,CO4, CO5	80
ST	Objectives (1* 50= 50 marks)	PO1 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO11 PSO13 PSO14 CO1,CO2,CO3,CO4, CO5	80
FT	Weighted percentile scores of Periodic Tests converted for 100 marks	PO1 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO11 PSO13 PSO14  CO1,CO2,CO3,CO4, CO5	78
FT	Mean ARMS daily participation score converted for 100 marks.	PO1 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO11 PSO13 PSO14 CO1,CO2,CO3,CO4, CO5	75
<b>Legend:</b> <ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY,</li> <li>• FT: FORMATIVE THEORY</li> </ul>			

<b>Course Details: MDS: 733</b> Therapeutics in Oral Medicine Practice : Practicals	
<b>Course Outcome</b>	<b>PO PSO MAPPING</b>

CO1	Prescribing with justification of choosing most appropriate therapeutic agent in treatment	PO1 PO6 PSO2 PSO3 PSO5 PSO6 PSO7 PSO8
CO2	Effectively convey the benefits and possible risks about the prescribed drugs to the patients	PO2 PO6 PSO2 PSO3 PSO5 PSO6 PSO7 PSO8
CO3	Employ correct technique and methodology of intralesional and local drug delivery	PO1 PO5 PO6 PSO3
CO4	Assessment of drug alterations and modifications following alteration in body response to the drugs.	PO1 PSO11
CO5	Assessment of the ability to monitor the patients compliance to the prescribed drug	PO6 PSO2
	<b>Outcome Evaluation</b>	<b>PO PSO CO Mapping</b>
SP	PRACTICALS 100 marks [Prescription writing, Performing intralesional drug delivery ,ability to prescribe appropriate drugs in patients on polypharmacy to avoid drug interactions]	PO1 PO2 PO5 PO6 PSO2 PSO3 PSO5 PSO6 PSO7 PSO8 PSO11 CO1, CO2, CO3, CO4, CO5
SV	VIVA	PO1 PO2 PO5 PO6 PSO2 PSO3 PSO5 PSO6 PSO7 PSO8 PSO11 CO1, CO2, CO3, CO4, CO5
FP	Prescription writing	PO1 PO6 PSO2 PSO3 PSO5 PSO6 PSO7PSO8 CO1, CO2, CO3, CO4, CO5
FC	Practical exercise activity score - 100 marks  Documentations of best cases (50 marks)  DIAS Score (50 marks)	PO1 PO2 PO5 PO6 PSO2 PSO3 PSO5 PSO6 PSO7 PSO8 PSO11 CO1, CO2, CO3, CO4, CO5
FRC	Research poster/paper presentation /	PO1 PO2 PO5 PO6 PSO2 PSO3 PSO5 PSO6 PSO7

	<b>publication scores, and awards - 50 marks</b>	<b>PSO8 PSO11 CO1, CO2, CO3, CO4, CO5</b>
<b>Legend:</b> <ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY,</li> <li>• SP SUMMATIVE PRACTICAL,</li> <li>• SV SUMMATIVE VIVA,</li> <li>• FT FORMATIVE THEORY,</li> <li>• FP FORMATIVE PRACTICAL,</li> <li>• FC FORMATIVE CLINICAL</li> <li>• FRC FORMATIVE RESEARCH - CO-CURRICULAR</li> </ul>		

Result analysis:

	<b>Outcome Evaluation (100 marks)</b>	<b>PO PSO CO Mapping</b>	<b>Outcome Analysis 2021</b>
<b>SP</b>	<b>PRACTICALS 80 marks</b> [Prescription writing, Performing intralesional drug delivery ,ability to prescribe appropriate drugs in patients on polypharmacy to avoid drug interactions]	<b>PO1 PO2 PO5 PO6 PSO2 PSO3 PSO5 PSO6 PSO7 PSO8 PSO11 CO1, CO2, CO3, CO4, CO5</b>	<b>75</b>
<b>SV</b>	<b>VIVA: 20 Marks</b>	<b>PO1 PO2 PO5 PO6 PSO2 PSO3 PSO5 PSO6 PSO7 PSO8 PSO11 CO1, CO2, CO3, CO4, CO5</b>	<b>76</b>
<b>FP</b>	<b>Prescription writing 100 marks</b>	<b>PO1 PO2 PO5 PO6 PSO2 PSO3 PSO5 PSO6 PSO7 PSO8 PSO11 CO1, CO2, CO3, CO4, CO5</b>	<b>82</b>
<b>FC</b>	<b>Practical exercise activity score - 100 marks</b>  <b>Documentations of best cases (50 marks)</b>  <b>DIAS Score (50 marks)</b>	<b>PO1 PO2 PO5 PO6 PSO2 PSO3 PSO5 PSO6 PSO7 PSO8 PSO11 CO1, CO2, CO3, CO4, CO5</b>	<b>74</b>
<b>FRC</b>	<b>Research poster/paper presentation / publication scores, and awards - 50</b>	<b>PO1 PO2 PO5 PO6 PSO2 PSO3 PSO5 PSO6 PSO7 PSO8 PSO11</b>	<b>84</b>



	<b>marks</b>	<b>CO1, CO2, CO3, CO4, CO5</b>	
<b>Legend:</b> <ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY,</li> <li>• SP SUMMATIVE PRACTICAL,</li> <li>• SV SUMMATIVE VIVA,</li> <li>• FT FORMATIVE THEORY,</li> <li>• FP FORMATIVE PRACTICAL,</li> <li>• FC FORMATIVE CLINICAL</li> <li>• FRC FORMATIVE RESEARCH - CO-CURRICULAR</li> </ul>			

<b>Course Details: MDS: 734</b> <b>Special Care Dentistry- I (CVS, RS, GIT, Hematology) Theory</b>			
<b>Course Outcome</b>		<b>PO PSO Mapping</b>	
CO1	Knowledge to assess formulate treatment plan and execute dental treatment in the context of overall patient systemic illness	PO1 PO6 PSO1 PSO2 PSO3 PSO10 PSO11 PSO13 PSO14	
CO2	Knowledge about pathogenesis manifestations clinical and oral presentations of CVS,RS,GIT and Hematology	PO1 PSO9 PSO10 PSO13 PSO14	
CO3	Knowledge of making appropriate referral for medical consultation and formulate comprehensive treatment plan	PSO10	
CO4	Knowledge of various pain control measures to be employed in delivery of dental care in special care patients	PO1 PO2 PO6 PSO3 PSO10	
CO5	Knowledge about the management of medical emergencies during dental treatment in these patients	PO1 PO2 PSO11	
<b>Outcome Evaluation (100 marks)</b>		<b>PO PSO CO Mapping</b>	
ST	CAT ( 2 Essays) (2X 15= 30 marks)	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO19 PSO10 PSO11 PSO13 PSO14 CO1, CO2, CO3, CO4, CO5	
ST	Concept Map (4 x 5 = 20 marks)	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO19 PSO10 PSO11 PSO13 PSO14 CO1, CO2, CO3, CO4, CO5	

ST	Objectives (1X 50= 50 marks)	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO19 PSO10 PSO11 PSO13 PSO14 CO1, CO2, CO3, CO4, CO5	
FT	<b>Weighted percentile scores of Periodic Tests converted for 100 marks</b>	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO19 PSO10 PSO11 PSO13 PSO14 CO1, CO2, CO3, CO4, CO5	
FT	<b>Mean ARMS daily participation score converted for 100 marks.</b>	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO19 PSO10 PSO11 PSO13 PSO14 CO1, CO2, CO3, CO4, CO5	

Outcome Analysis			
	Outcome Evaluation ( 100 marks)  Total Score (Summative= 100 marks)	PO PSO CO Mapping	Outcome Analysis 2021
ST	<b>CAT ( 2 Essays) (2 x 15= 30 marks)</b>	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO19 PSO10 PSO11 PSO13 PSO14 CO1, CO2, CO3, CO4, CO5	78
ST	<b>Concept Map (4 x 5 = 20 marks)</b>	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO19 PSO10 PSO11 PSO13 PSO14 CO1, CO2, CO3, CO4, CO5	78
ST	<b>Objectives (1 X 50= 50 marks)</b>	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO19 PSO10 PSO11 PSO13 PSO14 CO1, CO2, CO3, CO4, CO5	78
FT	<b>Problem based case learning ,literature review, (100 marks)</b>	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO19 PSO10 PSO11 PSO13 PSO14 CO1, CO2, CO3, CO4, CO5	80
FT	<b>Weighted percentile</b>	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO19 PSO10 PSO11	82

	<b>scores of Periodic Tests converted for 100 marks</b>	PSO13 PSO14 CO1, CO2, CO3, CO4, CO5	
<b>FT</b>	<b>Mean ARMS daily participation score converted for 100 marks.</b>	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO19 PSO10 PSO11 PSO13 PSO14 CO1, CO2, CO3, CO4, CO5	84

<b>Legend:</b>	
<ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY,</li> <li>• FT FORMATIVE THEORY</li> </ul>	

Course Details: MDS: 735 Oral care in special care needs patients-1 Practicals		
Course Outcome		PO PSO MAPPING
CO1	Competency in performing clinical examination, diagnosis and formulate treatment planning of CVC, RS, GIT, Hematology patients	PO1 PO2 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO9 PSO10 PSO11 PSO13 PSO14
CO2	Effective communication and consultation skills to gather information from caregivers and respective medical specialist	PO2 PO6 PSO10
CO3	Skill to obtain informed consent or caregivers to carry out dental procedures under regular dental OP settings/under LA/under conscious GA	PO2 PO6 PSO3 PSO4 PSO10
CO4	Develop skills to deliver domiciliary oral health service	PO2 PO6 PSO10
	<b>Outcome Evaluation (100 marks)</b>	<b>PO PSO CO Mapping</b>
SP	Practicals (80 marks) [case history documentation, short cases, long cases spotters]	PO1 PO2 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO9 PSO10 PSO1 PSO13 PSO14 CO1, CO2, CO3, CO4,

SV	VIVA MARKS{20 Marks)	PO1 PO2 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO9 PSO10 PSO1 PSO13 PSO14 CO1, CO2, CO3, CO4,
FC	<b>Practical exercise activity score - 100 marks</b>  <b>Documentations of best cases (50 marks)</b>  <b>DIAS Score (50 marks)</b>	PO1 PO2 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO9 PSO10 PSO1 PSO13 PSO14 CO1, CO2, CO3, CO4,
FRC	<b>Research poster/paper presentation / publication scores, and awards - 50 marks</b>	PO1 PO2 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO9 PSO10 PSO1 PSO13 PSO14 CO1, CO2, CO3, CO4,
<b>Legend:</b> <ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY,</li> <li>• SP SUMMATIVE PRACTICAL,</li> <li>• SV SUMMATIVE VIVA,</li> <li>• FT FORMATIVE THEORY,</li> <li>• FP FORMATIVE PRACTICAL,</li> <li>• FC FORMATIVE CLINICAL</li> <li>• FRC FORMATIVE RESEARCH - CO-CURRICULAR</li> </ul>		

### Result analysis:

	<b>Outcome Evaluation (100 marks)</b>	<b>PO PSO CO Mapping</b>	<b>Outcome Analysis 2021</b>
SP	<b>PRACTICALS 80 marks</b> <b>[Prescription writing, Performing intralesional drug delivery ,ability to prescribe appropriate drugs in patients on polypharmacy to avoid drug interactions]</b>	PO1 PO2 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO9 PSO10 PSO1 PSO13 PSO14 CO1, CO2, CO3, CO4,	<b>78</b>
SV	<b>VIVA: 20 Marks</b>	PO1 PO2 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO9 PSO10 PSO1 PSO13 PSO14 CO1, CO2, CO3, CO4,	<b>78</b>
FP	<b>Prescription writing 100 marks</b>	PO1 PO2 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO9 PSO10 PSO1 PSO13 PSO14	<b>84</b>

		CO1, CO2, CO3, CO4,	
<b>FC</b>	<b>Practical exercise activity score - 100 marks</b>  <b>Documentations of best cases (50 marks)</b>  <b>DIAS Score (50 marks)</b>	PO1 PO2 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO9 PSO10 PSO1 PSO13 PSO14 CO1, CO2, CO3, CO4,	<b>74</b>
<b>FRC</b>	<b>Research poster/paper presentation / publication scores, and awards - 50 marks</b>	PO1 PO2 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO9 PSO10 PSO1 PSO13 PSO14 CO1, CO2, CO3, CO4,	<b>86</b>
<b>Legend:</b>			
<ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY,</li> <li>• SP SUMMATIVE PRACTICAL,</li> <li>• SV SUMMATIVE VIVA,</li> <li>• FT FORMATIVE THEORY,</li> <li>• FP FORMATIVE PRACTICAL,</li> <li>• FC FORMATIVE CLINICAL</li> <li>• FRC FORMATIVE RESEARCH - CO-CURRICULAR</li> </ul>			

<b>Course Details: MDS: 736 Special Care Dentistry- II ( Oncology, Endocrine, Neurological, Sensory) Theory</b>			
<b>Course Outcome</b>		<b>PO PSO MAPPING</b>	
CO1	Knowledge to assess formulate treatment plan and execute dental treatment in the context of overall patient systemic illness	PO1 PO6 PSO1 PSO2 PSO3 PSO10 PSO11 PSO13 PSO14	
CO2	Knowledge about pathogenesis manifestations clinical and oral presentations oncology, endocrine, neurological, sensory	PO1 PSO9 PSO10 PSO13 PSO14	
CO3	Knowledge of making appropriate referral for medical consultation and formulate comprehensive treatment plan	PSO10	
CO4	Knowledge of various pain control measures to be employed in delivery of dental care in special care patients	PO1 PO2 PO6 PSO3 PSO10	

CO5	Knowledge about the management of medical emergencies during dental treatment in these patients	PO1 PO2 PSO11
	<b>Outcome Evaluation (200 marks)</b>  Total Score ( Summative = 200 marks)	<b>PO PSO CO Mapping</b>
ST	CAT ( 2 Essays) (2* 15= 30 marks)	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO19 PSO10 PSO11 PSO13 PSO14 CO1, CO2, CO3, CO4, CO5
ST	Concept Map (4 x 5 = 20 marks)	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO19 PSO10 PSO11 PSO13 PSO14 CO1, CO2, CO3, CO4, CO5
ST	Objectives (1* 50= 50 marks)	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO19 PSO10 PSO11 PSO13 PSO14 CO1, CO2, CO3, CO4, CO5
<b>FT</b>	<b>Weighted percentile scores of Periodic Tests converted for 100 marks</b>	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO19 PSO10 PSO11 PSO13 PSO14 CO1, CO2, CO3, CO4, CO5
<b>FT</b>	<b>Mean ARMS daily participation score converted for 100 marks.</b>	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO19 PSO10 PSO11 PSO13 PSO14 CO1, CO2, CO3, CO4, CO5

**Legend:**

- ST SUMMATIVE THEORY,
- FT FORMATIVE THEORY

Outcome Analysis			
	Outcome Evaluation ( 100 marks)  Total Score (Summative= 100 marks)	PO PSO CO Mapping	Outcome Analysis 2021
ST	<b>CAT ( 2 Essays) (2 x 15= 30 marks)</b>	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO19 PSO10 PSO11 PSO13 PSO14 CO1, CO2, CO3, CO4, CO5	75
ST	<b>Concept Map (4 x 5 = 20 marks)</b>	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO19 PSO10 PSO11 PSO13 PSO14 CO1, CO2, CO3, CO4, CO5	75
ST	<b>Objectives (1 X 50= 50 marks)</b>	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO19 PSO10 PSO11 PSO13 PSO14 CO1, CO2, CO3, CO4, CO5	75
FT	<b>Problem based case learning ,literature review, (100 marks)</b>	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO19 PSO10 PSO11 PSO13 PSO14CO1, CO2, CO3, CO4, CO5	78
FT	<b>Weighted percentile scores of Periodic Tests converted for 100 marks</b>	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO19 PSO10 PSO11 PSO13 PSO14 CO1, CO2, CO3, CO4, CO5	84
FT	<b>Mean ARMS daily participation score converted for 100 marks.</b>	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO19 PSO10 PSO11 PSO13 PSO14 CO1, CO2, CO3, CO4, CO5	84

**Legend:**

- ST SUMMATIVE THEORY,
- FT FORMATIVE THEORY

**Course Details: MDS: 737**  
**Oral care in special care needs patients-1I Practicals**

<b>Course Outcome</b>		<b>PO PSO MAPPING</b>
CO1	Competency in performing oral and clinical examination formulate diagnosis and treatment planning in patients with oncology, endocrine, neurological and sensory disorders	PO1 PO2 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO9 PSO10 PSO11 PSO13 PSO14
CO2	Demonstrate effective communication and consultation skills to gather information from caregivers and respective medical specialist	PO2 PO6 PSO10
CO3	obtain informed consent or caregivers to carry out dental procedures under regular dental OP settings/under LA/under conscious GA	PO2 PO6 PSO3 PSO4 PSO10
CO4	Competency to deliver domiciliary oral health service	PO2 PO6 PSO10
<b>Outcome Evaluation (100 marks)</b>		<b>PO PSO MAPPING</b>
SP	Practicals (80 marks) [case history documentation, short cases, long cases spotters]	PO1 PO2 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO9 PSO10 PSO1 PSO13 PSO14 CO1, CO2, CO3, CO4,
SV	VIVA MARKS{20 Marks)	PO1 PO2 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO9 PSO10 PSO1 PSO13 PSO14 CO1, CO2, CO3, CO4,
<b>FC</b>	<b>Practical exercise activity score - 100 marks</b>  <b>Documentations of best cases (50 marks)</b>  <b>DIAS Score (50 marks)</b>	PO1 PO2 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO9 PSO10 PSO1 PSO13 PSO14 CO1, CO2, CO3, CO4,
<b>FRC</b>	<b>Research poster/paper presentation /</b>	PO1 PO2 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO9 PSO10 PSO1



	<b>publication scores, and awards - 50 marks</b>	PSO13 PSO14 CO1, CO2, CO3, CO4,
<b>Legend:</b> <ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY,</li> <li>• SP SUMMATIVE PRACTICAL,</li> <li>• SV SUMMATIVE VIVA,</li> <li>• FT FORMATIVE THEORY,</li> <li>• FP FORMATIVE PRACTICAL,</li> <li>• FC FORMATIVE CLINICAL</li> <li>• FRC FORMATIVE RESEARCH - CO-CURRICULAR</li> </ul>		

	<b>Outcome Evaluation (100 marks)</b>	<b>PO PSO CO Mapping</b>	<b>Outcome Analysis 2021</b>
<b>SP</b>	<b>PRACTICALS 80 marks</b> [Prescription writing, Performing intralesional drug delivery ,ability to prescribe appropriate drugs in patients on polypharmacy to avoid drug interactions]	PO1 PO2 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO9 PSO10 PSO1 PSO13 PSO14 CO1, CO2, CO3, CO4,	<b>70</b>
<b>SV</b>	<b>VIVA: 20 Marks</b>	PO1 PO2 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO9 PSO10 PSO1 PSO13 PSO14 CO1, CO2, CO3, CO4,	<b>76</b>
<b>FP</b>	<b>Prescription writing 100 marks</b>	PO1 PO2 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO9 PSO10 PSO1 PSO13 PSO14 CO1, CO2, CO3, CO4,	<b>80</b>
<b>FC</b>	<b>Practical exercise activity score - 100 marks</b>  <b>Documentations of best cases (50 marks)</b>  <b>DIAS Score (50 marks)</b>	PO1 PO2 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO9 PSO10 PSO1 PSO13 PSO14 CO1, CO2, CO3, CO4,	<b>70</b>
<b>FRC</b>	<b>Research poster/paper presentation / publication scores, and awards - 50 marks</b>	PO1 PO2 PO5 PO6 PSO1 PSO2 PSO3 PSO4 PSO9 PSO10 PSO1 PSO13 PSO14 CO1, CO2, CO3, CO4,	<b>82</b>
<b>Legend:</b>			

- ST SUMMATIVE THEORY,
- SP SUMMATIVE PRACTICAL,
- SV SUMMATIVE VIVA,
- FT FORMATIVE THEORY,
- FP FORMATIVE PRACTICAL,
- FC FORMATIVE CLINICAL
- FRC FORMATIVE RESEARCH - CO-CURRICULAR

Course Details: MDS: 743 DIAGNOSTIC IMAGING Practicals		
Course Outcome		PO PSO MAPPING
CO1	Obtain high quality 2D intraoral images	PO1 PSO12 PSO13
CO2	Obtain high quality 2D extraoral images	PO1 PSO1 2PSO13
CO3	Identification of anatomic landmarks in 2D intra oral and extra oral images	PO1 PSO13
CO4	Generation of radiological report of orofacial pathology in 2D imaging	PO1 PSO6 PSO7 PSO8 PSO12 PSO13
Outcome Evaluation (100 marks)		PO CO Mapping
SP	Practicals (80 marks) [case history documentation, short cases, long cases spotters]	PO1 PSO6 PSO7 PSO8 PSO12 PSO13 CO1 CO2 CO3 CO4
SV	VIVA MARKS{20 Marks)	PO1 PSO6 PSO7 PSO8 PSO12 PSO13 CO1 CO2 CO3 CO4
FC	<b>Practical exercise activity score - 100 marks</b>  <b>Documentations of best cases (50 marks)</b>  <b>DIAS Score (50 marks)</b>	PO1 PSO6 PSO7 PSO8 PSO12 PSO13 CO1 CO2 CO3 CO4
FRC	<b>Research poster/paper presentation / publication scores, and awards - 50 marks</b>	PO1 PSO6 PSO7 PSO8 PSO12 PSO13 CO1 CO2 CO3 CO4

**Legend:**

- ST SUMMATIVE THEORY,
- SP SUMMATIVE PRACTICAL,
- SV SUMMATIVE VIVA,
- FT FORMATIVE THEORY,
- FP FORMATIVE PRACTICAL,
- FC FORMATIVE CLINICAL
- FRC FORMATIVE RESEARCH - CO-CURRICULAR

	Outcome Evaluation (100 marks)	PO PSO CO Mapping	Outcome Analysis 2021
<b>SP</b>	<b>PRACTICALS 80 marks</b> <b>[Prescription writing, Performing intralesional drug delivery ,ability to prescribe appropriate drugs in patients on polypharmacy to avoid drug interactions]</b>	PO1 PSO6 PSO7 PSO8 PSO12 PSO13 CO1 CO2 CO3 CO4	<b>70</b>
<b>SV</b>	<b>VIVA: 20 Marks</b>	PO1 PSO6 PSO7 PSO8 PSO12 PSO13 CO1 CO2 CO3 CO4	<b>76</b>
<b>FP</b>	<b>Prescription writing 100 marks</b>	PO1 PSO6 PSO7 PSO8 PSO12 PSO13 CO1 CO2 CO3 CO4	<b>80</b>
<b>FC</b>	<b>Practical exercise activity score - 100 marks</b>  <b>Documentations of best cases (50 marks)</b>  <b>DIAS Score (50 marks)</b>	PO1 PSO6 PSO7 PSO8 PSO12 PSO13 CO1 CO2 CO3 CO4	<b>70</b>
<b>FRC</b>	<b>Research poster/paper presentation / publication scores, and awards - 50 marks</b>	PO1 PSO6 PSO7 PSO8 PSO12 PSO13 CO1 CO2 CO3 CO4	<b>82</b>
<b>Legend:</b>			
<ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY,</li> <li>• SP SUMMATIVE PRACTICAL,</li> <li>• SV SUMMATIVE VIVA,</li> <li>• FT FORMATIVE THEORY,</li> <li>• FP FORMATIVE PRACTICAL,</li> <li>• FC FORMATIVE CLINICAL</li> <li>• FRC FORMATIVE RESEARCH - CO-CURRICULAR</li> </ul>			

**Course Details: MDS: 744  
THERAPEUTICS TMD PRACTICALS**

<b>Course Outcome</b>		<b>PO PSO MAPPING</b>
CO1	Prescription of therapeutics in TMD	PO1PO2 PO6 PSO1 PSO2 PSO3 PSO8
CO2	Delivery of physical therapy in TMD	PO1 PO2 PO6 PSO4 PSO8
CO3	Construction of splints in TMD	PO1 PO2 PO6 PSO8
CO4	Observe and perform CBT in TMD	PO1 PO2 PO6 PSO8
<b>Outcome Evaluation (100 marks)</b>		<b>PO PSO CO Mapping</b>
SP	Practicals (80 marks) [case history documentation, short cases,long cases spotters]	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO4 PSO8 CO1 CO2 CO3 CO4
SV	VIVA MARKS{20 Marks)	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO4 PSO8 CO1 CO2 CO3 CO4
<b>FC</b>	<b>Practical exercise activity score - 100 marks</b>  <b>Documentations of best cases (50 marks)</b>  <b>DIAS Score (50 marks)</b>	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO4 PSO8 CO1 CO2 CO3 CO4
<b>FRC</b>	<b>Research poster/paper presentation / publication scores, and awards - 50 marks</b>	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO4 PSO8 CO1 CO2 CO3 CO4

**Legend:**

- ST SUMMATIVE THEORY,
- SP SUMMATIVE PRACTICAL,
- SV SUMMATIVE VIVA,
- FT FORMATIVE THEORY,
- FP FORMATIVE PRACTICAL,
- FC FORMATIVE CLINICAL

- FRC FORMATIVE RESEARCH - CO-CURRICULAR

	Outcome Evaluation (100 marks)	PO PSO CO Mapping	Outcome Analysis 2021
SP	<b>PRACTICALS 80 marks</b> [Prescription writing, Performing intralesional drug delivery ,ability to prescribe appropriate drugs in patients on polypharmacy to avoid drug interactions]	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO4 PSO8 CO1 CO2 CO3 CO4	<b>60</b>
SV	<b>VIVA: 20 Marks</b>	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO4 PSO8 CO1 CO2 CO3 CO4	<b>76</b>
FP	<b>Prescription writing 100 marks</b>	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO4 PSO8 CO1 CO2 CO3 CO4	<b>74</b>
FC	<b>Practical exercise activity score - 100 marks</b>  <b>Documentations of best cases (50 marks)</b>  <b>DIAS Score (50 marks)</b>	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO4 PSO8 CO1 CO2 CO3 CO4	<b>73</b>
FRC	<b>Research poster/paper presentation / publication scores, and awards - 50 marks</b>	PO1 PO2 PO6 PSO1 PSO2 PSO3 PSO4 PSO8 CO1 CO2 CO3 CO4	<b>80</b>
<b>Legend:</b> <ul style="list-style-type: none"> <li>ST SUMMATIVE THEORY,</li> <li>SP SUMMATIVE PRACTICAL,</li> <li>SV SUMMATIVE VIVA,</li> <li>FT FORMATIVE THEORY,</li> <li>FP FORMATIVE PRACTICAL,</li> <li>FC FORMATIVE CLINICAL</li> <li>FRC FORMATIVE RESEARCH - CO-CURRICULAR</li> </ul>			

Course Details: MDS: 745- 2D & 3D Imaging- Theory

Course Outcome 2D & 3D Imaging- Theory	PO PSO MAPPING
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CO1	Knowledge on theoretical aspects of radiation physics rules and regulations of statutory regulatory bodies	PO1 PSO13 PSO14
CO2	Knowledge on imaging equipments, image receptors and processing	PO1 PSO13 PSO14
CO3	Knowledge on radiation protection	PO1 PO6 PSO13 PSO14
CO4	Knowledge of quality control and assurance in radiology practice	PO1 PSO13 PSO14
CO5	Knowledge about the indications contraindications economic cost analysis in the prescription of 2D and 3D Imaging	PO1 PO6 PSO6 PSO7 PSO8 PSO13 PSO14
	<b>Outcome Evaluation (100 marks)</b>	<b>PO PSO CO Mapping</b>
ST	CAT ( 2 Essays) (2* 15= 30 marks)	PO1 PO6 PSO6 PSO7 PSO8 PSO13 PSO14  CO1, CO2, CO3, CO4, CO5
ST	Concept Map (4 x 5 = 20 marks)	PO1 PO6 PSO6 PSO7 PSO8 PSO13 PSO14  CO1, CO2, CO3, CO4, CO5
ST	Objectives (1 X50= 50 marks)	PO1 PO6 PSO6 PSO7 PSO8 PSO13 PSO14  CO1, CO2, CO3, CO4, CO5

<b>FT</b>	<b>Weighted percentile scores of Periodic Tests converted for 100 marks</b>	PO1 PO6 PSO6 PSO7 PSO8 PSO13 PSO14  CO1, CO2, CO3, CO4, CO5
<b>FT</b>	<b>Mean ARMS daily participation score converted for 100 marks.</b>	PO1 PO6 PSO6 PSO7 PSO8 PSO13 PSO14 CO1, CO2, CO3, CO4, CO5
<b>Legend:</b> <ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY,</li> <li>• FT FORMATIVE THEORY</li> </ul>		

	<b>Outcome Evaluation (100 marks)</b>	<b>PO PSO CO Mapping</b>	<b>Outcome analysis 2021</b>
ST	CAT ( 2 Essays) (2* 15= 30 marks)	PO1 PO6 PSO6 PSO7 PSO8 PSO13 PSO14 CO1, CO2, CO3, CO4, CO5	70
ST	Concept Map (4 x 5 = 20 marks)	PO1 PO6 PSO6 PSO7 PSO8 PSO13 PSO14 CO1, CO2, CO3, CO4, CO5	70
ST	Objectives (1 X50= 50 marks)	PO1 PO6 PSO6 PSO7 PSO8 PSO13 PSO14 CO1, CO2, CO3, CO4, CO5	70
<b>FT</b>	<b>Weighted percentile scores of Periodic Tests converted for 100 marks</b>	PO1 PO6 PSO6 PSO7 PSO8 PSO13 PSO14 CO1, CO2, CO3, CO4, CO5	67
<b>FT</b>	<b>Mean ARMS daily participation score converted for 100 marks.</b>	PO1 PO6 PSO6 PSO7 PSO8 PSO13 PSO14	68

		CO1, CO2, CO3, CO4, CO5	
<b>Legend:</b> <ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY,</li> <li>• FT FORMATIVE THEORY</li> </ul>			

<b>Course Details: MDS: 746</b> Radiodiagnosis in 2D and 3D Imaging (Practicals)		
Course Outcome		PO PSO mapping
CO1	Perform and obtain high quality diagnosable 2D,3D images.	PO1 PO5 PO6 PSO13 PSO14
CO2	Accurate identification of normal anatomical landmarks in 2D and 3D Imaging	PO1 PO5 PSO13 PSO14
CO3	Competency in identification of hard tissue and soft tissue maxillofacial pathologies in 2D and 3D Imaging	PO1 PO5 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO13 PSO14
CO4	Developing competency in the construction of clear and concise radiological report for 2D and 3D Imaging	PO1 PO5 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO13 PSO14
	<b>Outcome Evaluation (100 marks)</b>  Total Score ( Summative = 200 marks)	<b>PO PSO CO Mapping</b>
SP	Practicals (80 marks)	PO1 PO5 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO13 PSO14 CO1 CO2 CO3 CO4
SV	VIVA MARKS (20 Marks)	PO1 PO5 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO13 PSO14 CO1 CO2 CO3 CO4
<b>FC</b>	<b>Practical exercise activity score - 100 marks</b>	PO1 PO5 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO13 PSO14



	<b>Documentations of best cases (50 marks)</b>  <b>DIAS Score (50 marks)</b>	CO1 CO2 CO3 CO4
<b>FRC</b>	<b>Research poster/paper presentation / publication scores, and awards - 50 marks</b>	PO1 PO5 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO13 PSO14 CO1 CO2 CO3 CO4
<b>Legend:</b> <ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY,</li> <li>• SP SUMMATIVE PRACTICAL,</li> <li>• SV SUMMATIVE VIVA,</li> <li>• FT FORMATIVE THEORY,</li> <li>• FP FORMATIVE PRACTICAL,</li> <li>• FC FORMATIVE CLINICAL</li> <li>• FRC FORMATIVE RESEARCH - CO-CURRICULAR</li> </ul>		

	Outcome Evaluation (100 marks) Total Score ( Summative = 200 marks)	PO PSO CO Mapping	OUTCOME ANALYSIS 2021
SP	Practicals (80 marks)	PO1 PO5 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO13 PSO14 CO1 CO2 CO3 CO4	60
SV	VIVA MARKS (20 Marks)	PO1 PO5 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO13 PSO14 CO1 CO2 CO3 CO4	75
<b>FC</b>	<b>Practical exercise activity score - 100 marks</b>  <b>Documentations of best cases (50 marks)</b>  <b>DIAS Score (50 marks)</b>	PO1 PO5 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO13 PSO14 CO1 CO2 CO3 CO4	78
<b>FRC</b>	<b>Research poster/paper presentation / publication scores,</b>	PO1 PO5 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO13 PSO14	80

	<b>and awards - 50 marks</b>	CO1 CO2 CO3 CO4	
<b>Legend:</b> <ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY,</li> <li>• SP SUMMATIVE PRACTICAL,</li> <li>• SV SUMMATIVE VIVA,</li> <li>• FT FORMATIVE THEORY,</li> <li>• FP FORMATIVE PRACTICAL,</li> <li>• FC FORMATIVE CLINICAL</li> <li>• FRC FORMATIVE RESEARCH - CO-CURRICULAR</li> </ul>			

Course Details: MDS: 747 Clinical Oral Medicine Practical -1		
Course Outcome		PO PSO MAPPING
CO1	Competency in eliciting accurate history performing appropriate clinical examination and chair side investigation -aspiration,exfoliative cytology,Diascopy for hard and soft tissue tumours and cyst	PO1 PO2 PO4 PO6 PSO1 PSO2 PSO3 PSO4 PSO8 PSO9
CO2	Decision to request most appropriate imaging modality and accurate radiographic interpretation of jaw cyst and tumours	PO1 PO2 PO4 PO6 PSO12 PSO13 PSO14
CO3	Formulate an accurate clinical diagnosis based on clinical and Imaging findings	PO1 PO4 PO6 PSO12 PSO13 PSO14
CO4	Arrange for appropriate referral for surgical biopsy and histopathological evaluation	PO1 PO4 PO6 PSO4

	Outcome Evaluation ( 100 marks) Clinical Oral Medicine Practical -1  Total Score (Summative= 100 marks)	PO PSO CO Mapping
SP	Practicals (80 marks)	<b>PO1 PO2 PO4 PO6 PSO1 PSO2 PSO3 PSO4 PSO8 PSO9 PSO12 PSO13 PSO14 CO1 CO2 CO3 CO4</b>
SV	VIVA MARKS (20 Marks)	<b>PO1 PO2 PO4 PO6 PSO1 PSO2 PSO3 PSO4 PSO8 PSO9 PSO12 PSO13 PSO14 CO1 CO2 CO3 CO4</b>
FC	<b>Practical exercise activity score - 100 marks</b>  <b>Documentations of best cases (50 marks)</b>  <b>DIAS Score (50 marks)</b>	<b>PO1 PO2 PO4 PO6 PSO1 PSO2 PSO3 PSO4 PSO8 PSO9 PSO12 PSO13 PSO14 CO1 CO2 CO3 CO4</b>
FR C	<b>Research poster/paper presentation / publication scores, and awards - 50 marks</b>	<b>PO1 PO2 PO4 PO6 PSO1 PSO2 PSO3 PSO4 PSO8 PSO9 PSO12 PSO13 PSO14 CO1 CO2 CO3 CO4</b>

**Legend:**

- ST SUMMATIVE THEORY,
- FT FORMATIVE THEORY

**Outcome Analysis Clinical Oral Medicine Practical -1**

	<b>Outcome Evaluation ( 100 marks)</b>  Total Score (Summative= 100 marks)	<b>PO PSOCO Mapping</b>	<b>Outcome Analysis 2021</b>
SP	Practicals (80 marks)	<b>PO1 PO2 PO4 PO6 PSO1 PSO2 PSO3 PSO4 PSO8 PSO9 PSO12 PSO13 PSO14 CO1 CO2 CO3 CO4</b>	80
SV	VIVA MARKS (20 Marks)	<b>PO1 PO2 PO4 PO6 PSO1 PSO2 PSO3 PSO4 PSO8 PSO9 PSO12 PSO13 PSO14 CO1 CO2 CO3 CO4</b>	80
FC	<b>Practical exercise activity score - 100 marks</b>  <b>Documentations of best cases (50 marks)</b>  <b>DIAS Score (50 marks)</b>	<b>PO1 PO2 PO4 PO6 PSO1 PSO2 PSO3 PSO4 PSO8 PSO9 PSO12 PSO13 PSO14 CO1 CO2 CO3 CO4</b>	80
FRC	<b>Research poster/paper presentation / publication scores, and awards - 50 marks</b>	<b>PO1 PO2 PO4 PO6 PSO1 PSO2 PSO3 PSO4 PSO8 PSO9 PSO12 PSO13 PSO14 CO1 CO2 CO3 CO4</b>	85

**Legend:**

- ST SUMMATIVE THEORY,
- SP SUMMATIVE PRACTICAL,
- SV SUMMATIVE VIVA,
- FT FORMATIVE THEORY,
- FP FORMATIVE PRACTICAL,
- FC FORMATIVE CLINICAL
- FRC FORMATIVE RESEARCH - CO-CURRICULAR

**Course Details: MDS: 748 Infectious & Non-infectious diseases, Allergy & Hypersensitivity, Orofacial Pain, OPMD & Oral Cancer- Theory**

Course Outcome		PO PSO MAPPING
CO1	Knowledge on microbiological and pathological aspects of microorganisms and pathogenesis on the orofacial region.	PO1 PO3 PO4 PSO1 PSO2 PSO3 PSO4 PSO5 PSO6 PSO8 PSO9
CO2	Knowledge on basics of immunology immune mediated and autoimmune disorders affecting the orofacial region.	PO1 PO4 PO5 PSO2 PSO3 PSO5
CO3	Knowledge on pain pathway various forms of neuropathic pain psychogenic pain and other non-odontogenic pain, features and investigations and treatment options	PO1 PO5 PSO4 PSO8
CO4	Knowledge of recent concepts of diagnosis and investigations of OPMD and oral cancer	PO1 PO2 PO6 PSO6
	<b>Outcome Evaluation (200 marks)</b>  Total Score ( Summative = 200 marks)	<b>PO PSO CO Mapping</b>
ST	CAT ( 2 Essays) (2* 15= 30 marks)	PO1 PO2 PO3 PO4 PO6 PSO2 PSO3 PSO5 PSO6 PSO8 CO1 CO2 CO3 CO4

ST	Concept Map (4 x 5 = 20 marks)	PO1 PO2 PO3 PO4 PO6 PSO2 PSO3 PSO5 PSO6 PSO8 CO1 CO2 CO3 CO4
ST	Objectives (1 X50= 50 marks)	PO1 PO2 PO3 PO4 PO6 PSO2 PSO3 PSO5 PSO6 PSO8 CO1 CO2 CO3 CO4
FT	<b>Weighted percentile scores of Periodic Tests converted for 100 marks</b>	PO1 PO2 PO3 PO4 PO6 PSO2 PSO3 PSO5 PSO6 PSO8 CO1 CO2 CO3 CO4
FT	<b>Mean ARMS daily participation score converted for 100 marks.</b>	PO1 PO2 PO3 PO4 PO6 PSO2 PSO3 PSO5 PSO6 PSO8 CO1 CO2 CO3 CO4

	Outcome Evaluation (100 marks)	PO PSO CO Mapping	OUTCOME ANALYSIS
ST	CAT ( 2 Essays) (2* 15= 30 marks)	PO1 PO2 PO3 PO4 PO6 PSO2 PSO3 PSO5 PSO6 PSO8 CO1 CO2 CO3 CO4	73
ST	Concept Map (4 x 5 = 20 marks)	PO1 PO2 PO3 PO4 PO6 PSO3 PSO5 PSO6 PSO8 CO1 CO2 CO3 CO4	73
ST	Objectives (1 X50= 50 marks)	PO1 PO2 PO3 PO4 PO6 PSO3 PSO5 PSO6 PSO8 CO1 CO2 CO3 CO4	73
FT	<b>Weighted percentile scores of Periodic Tests converted for 100 marks</b>	PO1 PO2 PO3 PO4 PO6 PSO5 PSO6 PSO8 CO1 CO2 CO3 CO4	75
FT	<b>Mean ARMS daily participation score converted for 100 marks.</b>	PO1 PO2 PO3 PO4 PO6 PSO5 PSO6 PSO8 CO1 CO2 CO3 CO4	68

Course Details: MDS: 749 Clinical Oral Medicine-2 (Practicals)		
Course Outcome		PO PSO MAPPING
CO1	Clinical skills to differentiate infectious non infectious mucosal disorders	PO1 PO5 PO6 PSO1 PSO2 PS03 PSO5 PSO6 PSO7
CO2	Competency to draw differential diagnosis of orofacial pain	PSO5 PSO6 PSO7
CO3	Perform and request appropriate microbiological immunological serological investigations and interpret the findings independently or in liaison with the medical fraternity.	PO1 PSO1 PSO2
CO4	Initiate appropriate therapeutic measures for Orofacial soft tissue lesions with regular follow up to evaluate response to therapy	PO1 PSO2 PSO3
	<b>Outcome Evaluation (100 marks)</b>	<b>PO PSO CO Mapping</b>
SP	Practicals (80 marks)	<b>PO1 PO2 PO4 PO6 PSO1 PSO2 PS03 PSO5 PSO6 PS07 CO1 CO2 CO3 CO4</b>
SV	VIVA MARKS 20 Marks	<b>PO1 PO2 PO4 PO6 PSO1 PSO2 PS03 PSO5 PSO6 PS07 CO1 CO2 CO3 CO4</b>
FC	<b>Practical exercise activity score - 100 marks</b>  <b>Documentations of best cases (50 marks)</b>  <b>DIAS Score (50 marks)</b>	<b>PO1 PO2 PO4 PO6 PSO1 PSO2 PS03 PSO5 PSO6 PS07 CO1 CO2 CO3 CO4</b>
FRC	Research poster/paper	<b>PO1 PO2 PO4 PO6</b>

	<b>presentation / publication scores, and awards - 50 marks</b>	<b>PSO1 PSO2 PSO3 PSO5 PSO6 PSO7 CO1 CO2 CO3 CO4</b>	
<b>FRC</b>	<b>Research poster/paper presentation / publication scores, and awards - 50 marks</b>	<b>PO1 PO2 PO4 PO6 PSO1 PSO2 PSO3 PSO5 PSO6 PSO7 CO1 CO2 CO3 CO4</b>	

<b>Legend:</b> <ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY,</li> <li>• SP SUMMATIVE PRACTICAL,</li> <li>• SV SUMMATIVE VIVA,</li> <li>• FT FORMATIVE THEORY,</li> <li>• FP FORMATIVE PRACTICAL,</li> <li>• FC FORMATIVE CLINICAL</li> <li>• FRC FORMATIVE RESEARCH - CO-CURRICULAR</li> </ul>	
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	<b>Outcome Evaluation (100 marks)</b>	<b>PO PSO CO Mapping</b>	<b>OUTCOME ANALYSIS</b>
SP	Practicals (80 marks)	<b>PO1 PO2 PO4 PO6 PSO1 PSO2 PSO3 PSO5 PSO6 PSO7 CO1 CO2 CO3 CO4</b>	67
SV	VIVA MARKS 20 Marks	<b>PO1 PO2 PO4 PO6 PSO1 PSO2 PSO3 PSO5 PSO6 PSO7 CO1 CO2 CO3 CO4</b>	74
FC	<b>Practical exercise activity score - 100 marks</b>	<b>PO1 PO2 PO4 PO6 PSO1 PSO2 PSO3 PSO5</b>	70



	<b>Documentations of best cases (50 marks)</b>  <b>DIAS Score (50 marks)</b>	<b>PSO6 PSO7</b> <b>CO1 CO2</b> <b>CO3 CO4</b>	
<b>FRC</b>	<b>Research poster/paper presentation /</b> <b>publication scores, and awards - 50</b> <b>marks</b>	<b>PO1 PO2</b> <b>PO4 PO6</b> <b>PSO1 PSO2</b> <b>PSO3 PSO5</b> <b>PSO6 PSO7</b> <b>CO1 CO2</b> <b>CO3 CO4</b>	68

Course Details: MDS: 750 PAPER 1-Oral and Maxillofacial Radiology		
Course Outcome		PO PSO MAPPING
CO1	Knowledge on Radiation physics, Radiation safety and protection.	PO1 PO6 PSO6 PSO7 PSO8 PSO9 PSO12 PSO13 PSO14
CO2	Knowledge on Imaging principles, radiographic techniques of 2D and 3D Imaging	PO1 PO6 PSO6 PSO7 PSO8 PSO9 PSO12 PSO13 PSO14
CO3	Radiodiagnosis of 2D and 3D Imaging	PO1 PO6 PSO6 PSO7 PSO8 PSO9 PSO12 PSO13 PSO14
CO4	Quality control and assurance in radiology practice	PO1 PO6 PSO6 PSO7 PSO8 PSO9 PSO12 PSO13 PSO14
	<b>Outcome Evaluation (100 marks)</b>	<b>PO PSO CO Mapping</b>
ST	CAT ( 2 Essays) (2X 15= 30 marks)	PO1 PO6 PSO6 PSO7 PSO8 PSO9 PSO12

		PSO13 PSO14 CO1, CO2, CO3, CO4
ST	Concept Map (4 x 5 = 20 marks)	PO1 PO6 PSO6 PSO7 PSO8 PSO9 PSO12 PSO13 PSO14 CO1, CO2, CO3, CO4
ST	Objectives (1* 50= 50 marks)	PO1 PO6 PSO6 PSO7 PSO8 PSO9 PSO12 PSO13 PSO14 CO1, CO2, CO3, CO4
FT	Weighted percentile scores of Periodic Tests converted for 100 marks	PO1 PO6 PSO6 PSO7 PSO8 PSO9 PSO12 PSO13 PSO14 CO1, CO2, CO3, CO4
FT	Mean ARMS daily participation score converted for 100 marks.	PO1 PO6 PSO6 PSO7 PSO8 PSO9 PSO12 PSO13 PSO14 CO1, CO2, CO3, CO4
<b>Legend:</b> <ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY</li> <li>• SP SUMMATIVE PRACTICAL,</li> <li>• SV SUMMATIVE VIVA.</li> </ul>		

	Outcome Evaluation (100 marks)	PO PSO CO Mapping	OUTCOME ANALYSIS
ST	CAT ( 2 Essays) (2* 15= 30 marks)	PO1 PO6 PSO6 PSO7 PSO8 PSO9 PSO12 PSO13 PSO14 CO1, CO2, CO3, CO4	70
ST	Concept Map (4 x 5 = 20 marks)	PO1 PO6 PSO6 PSO7 PSO8 PSO9	70

		PSO12 PSO13 PSO14  CO1, CO2, CO3, CO4	
ST	Objectives (1* 50= 50 marks)	PO1 PO6 PSO6 PSO7 PSO8 PSO9 PSO12 PSO13 PSO14  CO1, CO2, CO3, CO4	70
FT	Weighted percentile scores of Periodic Tests converted for 100 marks	PO1 PO6 PSO6 PSO7 PSO8 PSO9 PSO12 PSO13 PSO14  CO1, CO2, CO3, CO4	78
FT	Mean ARMS daily participation score converted for 100 marks.	PO1 PO6 PSO6 PSO7 PSO8 PSO9 PSO12 PSO13 PSO14 CO1, CO2, CO3, CO4	75
<b>Legend:</b>			
<ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY</li> <li>• FT FORMATIVE THEORY</li> </ul>			

Course Details: MDS: 751-Oral Medicine ,Therapeutics and Laboratory Investigations		
Course Outcome		PO PSO MAPPING
CO1	Knowledge of diagnosis and differential diagnosis of oral and maxillofacial pathologies	PO1 PSO1 PSO6 PSO7 PSO9
CO2	Diagnosis and management of infections,iatrogenic, Allergy and hypersensitivity, Ulcerative lesions, pigmented lesions and	PO1 PSO5

	immunologically mediated.	
CO3	Recent updates on laboratory investigations and interpretation	PO1 PO4 PSO4
	<b>Outcome Evaluation (100 marks)</b>	<b>PO CO Mapping</b>
ST	CAT ( 2 Essays) (2 X 15= 30 marks)	PO1 PO4 PSO1 PSO4 PSO5 PSO6 PSO7 PSO9 CO1 CO2 CO3
ST	Concept Map (4 x 5 = 20 marks)	PO1 PO4 PSO1 PSO4 PSO5 PSO6 PSO7 PSO9 CO1 CO2 CO3
ST	Objectives (1X 50= 50 marks)	PO1 PO4 PSO1 PSO4 PSO5 PSO6 PSO7 PSO9 CO1 CO2 CO3
FT	Weighted percentile scores of Periodic Tests converted for 100 marks	PO1 PO4 PSO1 PSO4 PSO5 PSO6 PSO7 PSO9 CO1 CO2 CO3
FT	Mean ARMS daily participation score converted for 100 marks.	PO1 PO4 PSO1 PSO4 PSO5 PSO6 PSO7 PSO9 CO1 CO2 CO3
<b>Legend:</b> <ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY,</li> <li>• FT FORMATIVE THEORY</li> </ul>		

Result analysis:

	Outcome Evaluation (100 marks)	PO PSO CO Mapping	Outcome analysis 2021
ST	CAT ( 2 Essays) (2* 15= 30 marks)	PO1 PO4 PSO1 PSO4 PSO5 PSO6 PSO7 PSO9 CO1 CO2 CO3	65
ST	Concept Map (4 x 5 = 20 marks)	PO1 PO4 PSO1 PSO4 PSO5 PSO6 PSO7 PSO9 CO1 CO2 CO3	65
ST	Objectives (1X 50= 50 marks)	PO1 PO4 PSO1 PSO4 PSO5 PSO6 PSO7 PSO9 CO1 CO2 CO3	65
FT	Weighted percentile scores of Periodic Tests converted for 100 marks	PO1 PO4 PSO1 PSO4 PSO5 PSO6 PSO7 PSO9 CO1 CO2 CO3	70
FT	Mean ARMS daily participation score converted for 100 marks.	PO1 PO4 PSO1 PSO4 PSO5 PSO6 PSO7 PSO9 CO1 CO2 CO3	72
<b>Legend:</b> <ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY,</li> <li>• FT FORMATIVE THEORY</li> </ul>			

Course Details: MDS: 752-UNIVERSITY PAPER III- ESSAY (DESCRIPTIVE AND ANALYSING TYPE QUESTIONS)		
Course Outcome		PO PSO MAPPING
CO1	Recent updates on diagnosis and management of oral and maxillofacial pathologies	PO1, PO2, PO4, PO5, PO6, PSO1 PSO2 PSO3 PSO4 PSO5

		PSO6 PSO7 PSO8 PSO9 PSO10 PSO11
CO2	Recent updates on Head and Neck Imaging	PO1 PO6 PSO 12 PSO13 PSO14
	<b>Outcome Evaluation (100 marks)</b>	<b>PO CO Mapping</b>
ST	CAT ( 2 Essays) (2 X 15= 30 marks)	PO1, PO2, PO4, PO5, PO6, PSO1 PSO2 PSO3 PSO4 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO11PSO12 PSO13 PSO14  CO1, CO2
ST	Concept Map (4 x 5 = 20 marks)	PO1, PO2, PO4, PO5, PO6, PSO1 PSO2 PSO3 PSO4 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO11PSO12 PSO13 PSO14  CO1, CO2
ST	Objectives (1X 50= 50 marks)	PO1, PO2, PO4, PO5, PO6, PSO1 PSO2 PSO3 PSO4 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO11PSO12 PSO13 PSO14  CO1, CO2
FT	Weighted percentile scores of Periodic Tests converted for 100 marks	PO1, PO2, PO4, PO5, PO6, PSO1 PSO2 PSO3 PSO4 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO11PSO12 PSO13 PSO14

		CO1, CO2
FT	Mean ARMS daily participation score converted for 100 marks.	PO1, PO2, PO4, PO5, PO6, PSO1 PSO2 PSO3 PSO4 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO11PSO12 PSO13 PSO14  CO1, CO2
<b>Legend:</b> <ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY</li> <li>• FT FORMATIVE THEORY</li> </ul>		

Result analysis:

	Outcome Evaluation (100 marks)	PO PSO CO Mapping	Outcome analysis 2021
ST	CAT ( 2 Essays) (2X 15= 30 marks)	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO13, PO14, PO15, PO16  CO1, CO2	68
ST	Concept Map (4 x 5 = 20 marks)	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO13, PO14, PO15.  CO1, CO2	68
ST	Objectives (1X 50= 50 marks)	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9,	68

		PO10, PO13, PO14, PO15, PO16  CO1, CO2	
FT	Weighted percentile scores of Periodic Tests converted for 100 marks	PO1, PO2, PO4, PO5, PO6, PSO1 PSO2 PSO3 PSO4 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO11PSO12 PSO13 PSO14  CO1, CO2	70
FT	Mean ARMS daily participation score converted for 100 marks.	PO1, PO2, PO4, PO5, PO6, PSO1 PSO2 PSO3 PSO4 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO11PSO12 PSO13 PSO14  CO1, CO2	74
<b>Legend:</b> <ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY,</li> <li>• FT FORMATIVE THEORY</li> </ul>			



<b>COURSE DETAILS:</b>		<b>PO PSO MAPPING</b>
<b>MDS: 794 Oral Medicine Practicals</b>		
<b>Course Outcome</b>		
CO1	Competency in history taking, clinical examination, investigatory procedures and formulating treatment protocol	PO1 PO2 PO4 PO5 PSO1 - PSO14
CO2	Skill to answer based on evidence based practice and discuss on CAT format with respect to therapeutics and patient care	PO1 PO2 PO4  PSO1-14

<b>OUTCOME EVALUATION</b>			
	Outcome Evaluation ( 100 marks)	PO PSO CO Mapping	
SP	Case discussion [80 Marks] [Long cases,short cases and spotters]	PO1 PO2 PO4 PO5 PSO1 - PSO14 CO1 CO2	
SV	Viva [20 marks]	PO1 PO2 PO4 PO5 PSO1 - PSO14 CO1 CO2	

FP	DIAS score: 35000  Biopsy-350 Mucosal lesion treatment -4000 Orofacial pain management-2000 Oral Medicine therapeutics- 6500 Special care [Extraction-5000 RCT-2500 Scaling-4000 Restoration- 4000 Prosthesis-5000]	PO1 PO2 PO4 PO5 PSO1 - PSO14 CO1 CO2	
<b>Legend:</b> <ul style="list-style-type: none"> <li>● SP SUMMATIVE PRACTICAL</li> <li>● FP-FORMATIVE PRACTICALS</li> </ul>			

OUTCOME ANALYSIS			
	Outcome Evaluation ( 100 marks)	PO PSO CO Mapping	Outcome analysis 2021 (percentage)
SP	Practicals-80 Marks Case discussion [Long cases,short cases and spotters]	PO1 PO2 PO4 PO5 PSO1 - PSO14 CO1 CO2	70

SV	Viva [20 marks]	PO1 PO2 PO4 PO5 PSO1 - PSO14 CO1 CO2	72
FP	DIAS score: 35000  Oral Medicine:  Biopsy-350 Mucosal lesion treatment -4000 Orofacial pain management-2000 Oral Medicine therapeutics- 6500  Special care:  Extraction-5000 RCT-2500 Scaling-4000 Restoration- 4000 Prosthesis-5000]	PO1 PO2 PO4 PO5 PSO1 - PSO14 CO1 CO2	80
<b>Legend:</b>			
<ul style="list-style-type: none"> <li>• SP SUMMATIVE PRACTICAL</li> <li>• FP-FORMATIVE PRACTICALS</li> </ul>			

	Outcome Evaluation ( 100 marks)	PO PSO CO Mapping	
SV	Viva	PO1 PO2 PO5 PSO1 - PSO14 CO1 CO2	
<b>Legend:</b>			
<ul style="list-style-type: none"> <li>• SV: SUMMATIVE VIVA</li> </ul>			

	Outcome Evaluation ( 100 marks)	PO PSO CO Mapping	Outcome analysis 2021 (percentage)
SV	Viva	PO1 PO2 PO5 PSO1 - PSO14 CO1 CO2	75
<b>Legend:</b> • SV: SUMMATIVE VIVA			

<b>Course Details: MDS 003: Oral Medicine – LIBRARY DISSERTATION</b>		
<b>Course Outcome</b>		<b>PO PSO MAPPING</b>
CO1	Should have the ability to carry out a systematic review of all the current research material available on a given topic	PO3 PO6 PO5 PSO2 PSO3 PSO4 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO11 PSO12 PSO13 PSO14
CO2	Carry out literature search	PO3 PO6 PO5 PSO2 PSO3 PSO4 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO11 PSO12 PSO13 PSO14

CO3	Should be able to perform appropriate statistics and arrive at a conclusion	PO3 PO6 PO5 PSO2 PSO3 PSO4 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO11 PSO12 PSO13 PSO14
CO4	Ability to critically analyse the results and present the findings of the research in a scientific manner useful to the field of Oral medicine	PO3 PO6 PO5 PSO2 PSO3 PSO4 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO11 PSO12 PSO13 PSO14
<b>Outcome Evaluation (100 marks)</b>		PO3 PO6 PO5 PSO2 PSO3 PSO4 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO11 PSO12 PSO13 PSO14

<b>Course Details: MDS 004: Oral Medicine – DISSERTATION</b>		
<b>Course Outcome</b>		<b>PO PSO mapping</b>
CO1	Ability to identify a research problem, propose and compare an outcome as a solution and carry out the study in the study population	PO3 PSO1 -PSO14

CO2	Formulate the study methodology and design, sample size selection based on formula and apply the appropriate statistical analysis	PO3	
CO3	Carry out and complete the research study and present the results after completing the statistical analysis using SPSS softwares	PO3 PO4 PO5 PO6 PSO1-14	
CO4	Present the result along with discussion and interpretation of the results in a scientific manner. Finally conclude the research by answering the research question.	PO3	
<b>Outcome Evaluation (100 marks)</b>		PO3 PO4 PO5 PO6 PSO1-14	

<b>Course Details: MDS 797: Oral Medicine – CO-CURRICULAR CONTRIBUTIONS</b>			
<b>Course Outcome</b>		<b>PO PSO mapping</b>	
CO1	Presentation of scientific paper and poster presentations in National and International Conferences	PO2 PO3 PO4 PO6 PSO1-14	
CO2	Scientific publications of systematic reviews, Metal analysis, Original research, case reports	PO2 PO3 PO4 PO6	
CO3	Attending and participating in CDE workshops and programs, scientific webinars	PO2 PO3 PO4 PO6	
CO4	Attending, participating and presenting in Inter and Intra-collegiate scientific competitions.	PO2 PO3 PO4 PO6	
	<b>Outcome Evaluation (100 marks)</b>	PO2 PO3 PO4 PO6 PSO 1-14	

**Course Details: MDS 798: Oral Medicine – INTERNAL ASSESSMENT**

Course Outcome	PO PSO mapping
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CO1	Periodic theoretical assessment of the topics on Oral Medicine and Radiology	PO1,PO3,PO4 PSO4 PSO6PSO7 PSO9 PSO12 PSO13 PSO14	PSO3 PSO5 PSO8
CO2	Completion of clinical quota including oral medicine and special care cases	PO1,PO4,PO5,PO6,PSO1,PSO2 PSO3PSO5 PSO6PSO7 PSO8 PSO9 PSO10 PSO11	
CO3	Scientific paper and poster presentation in National, International Conferences, Inter and Intra-collegiate Competitions	PO1,PO4,PO5,PO6, PSO1 PSO2 PSO3 PSO5 PSO6PSO7 PSO8 PSO9 PSO10 PSO11 PSO12 PSO13 PSO14	
CO4	Attending CDE Programs, webinars and workshops	PO1,PO4,PO6,PSO1-PSO14	



CO5	Periodic assessment of seminar and Journal Club presentations	PO1,PO4,PO6,PSO1-PSO14	
CO6	Mastery of clinical skills, efficiency, patient communication and interpersonal skills, sincerity and overall discipline and conduct	PO1,PO4,PO6,PSO1 PSO2 PSO3 PSO4 PSO5 PSO6 PSO7 PSO8 PSO9 PSO10 PSO11 PSO12 PSO13 PSO14	
	<b>Outcome Evaluation</b>  <b>(100 marks)</b>	PO1 PO2 PO3 PO4 PO6 PO6  PSO 1-14	

## CREDIT COURSES

Course Details:MDS 738: Implant Imaging (credit course)		
Course Outcome		
CO1	Expected to understand about implant imaging, need and ideal requisites. Have a bird's eye view of the various imaging modalities and get a hindsight on the limitations of each	
CO2	Brief history and working principles of CBCT	
CO3	Preparation of a scan volume and be familiar with the different softwares used in implant imaging	
CO4	Implant planning taking into considerations the anatomic limitations.,\	
CO5	Formulation of a report and be able to communicate the same to the clinical dentists.	
CO6	Brief overview of digital dentistry	
	Outcome Evaluation ( 100 marks) Total Score ( 200 Summative, 300 formative = 500 marks)	PO PSO CO Mapping
SP	Practicals (80 marks)	PO11, PO12,PO13,PO14,PO15 PSO2,PSO10,PSO12,PSO14 CO1,CO2,CO3,CO4,CO5
SV	Viva (20 marks)	PO11,PO12,PO13,PO15 PSO12,PSO14 CO1,CO2,CO6
<b>Legend:</b> <ul style="list-style-type: none"> <li>• SP SUMMATIVE PRACTICAL,</li> <li>• SV SUMMATIVE VIVA.</li> </ul>		

Outcome Evaluation ( 100 marks)	PO CO Mapping	Outcome Analysis 2021
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SP	Practicals (80 marks)	PO11, PO12,PO13,PO14,PO15 PSO2,PSO10,PSO12,PSO14 CO1,CO2,CO3,CO4,CO5	67
SV	Viva (20 marks)	PO11,PO12,PO13,PO15 PSO12,PSO14 CO1,CO2,CO6	76
<b>Legend:</b> <ul style="list-style-type: none"> <li>• SP SUMMATIVE PRACTICAL,</li> <li>• SV SUMMATIVE VIVA.</li> </ul>			

Course Details: MDS: 740 Imaging in General Dental Practice		
Course Outcome		PO PSO MAPPING
CO1	Should have theoretical knowledge on guidelines for Imaging and reporting	PO1 PSO1, PSO12, PSO13, PSO14
CO2	Adequate knowledge on intraoral anatomic landmarks on patient radiographs	PO1, PSO13,
CO3	Competent to take intraoral radiographs and interpret them	PO1, PSO12, PSO13
CO4	Knowledge on various extra oral radiographs and specialized Imaging	PO1, PSO1 PSO12, PSO14
CO5	Adequate knowledge on Extraoral anatomic landmarks on patient radiographs	PO1 PSO14
CO 6	Competent to take Extraoral radiographs and interpret them	PO1 PSO12, PSO14
CO 7	Skilled to identify Incidental findings in Extraoral radiographs	PO1 PSO14

CO 8	Efficiency in specialty- based reporting of pathologies	PO1 PSO1, PSO13, PSO14
CO 9	Adequate knowledge on radiation health hazards, radiation safety and protection	PO1 PSO12
<b>Outcome Evaluation (100 marks)</b> Total Score ( Summative = 100 marks)		<b>PO PSO CO Mapping</b>
SP	Practicals (80 marks)  (Anatomical Landmarks tracing on patient radiographs, Interpretation of pathologies)	PO1, PSO1, PSO12, PSO13, PSO14 CO1, CO2, CO3, CO4, CO5, CO6, CO7, CO8
SV	Viva (20 marks)	PO1, PSO1, PSO12, PSO13, PSO14 CO1, CO2, CO3, CO4, CO5, CO6, CO7, CO8
<b>Legend:</b> <ul style="list-style-type: none"> <li>• ST SUMMATIVE THEORY,</li> <li>• SP SUMMATIVE PRACTICAL,</li> <li>• SV SUMMATIVE VIVA.</li> </ul>		

Outcome Analysis			
	Outcome Evaluation ( 100 marks)  Total Score (Summative= 100 marks)	PO PSO CO Mapping	Outcome Analysis 2021
SP	Practicals (80 marks)  (Anatomical Landmarks tracing on patient radiographs, Interpretation of pathologies)	PO1, PSO1, PSO12, PSO13, PSO14 CO1, CO2, CO3, CO4, CO5, CO6, CO7, CO8	65
SV	Viva (20 marks)	PO1, PSO1, PSO12, PSO13, PSO14 CO1, CO2, CO3, CO4, CO5, CO6, CO7, CO8	78

**Legend:**

- SP SUMMATIVE PRACTICAL,
- SV SUMMATIVE VIVA,

Course Details: MDS: 739 Pediatric Oral Medicine		
Course Outcome		PO PSO MAPPING
CO1	Ability to prescribe appropriate medications. Emphasis on commonly prescribed medications in dental practice in Pediatric patients, Dose calculations, adverse effects and toxicity.	PO1, PO2, PO5 PSO1, PSO2, PSO3, PSO8
CO2	Adequate knowledge on Pediatric infective mucosal lesions. with appropriate investigations and management skills	PO1, PO5 PSO1, PSO2, PSO3, PSO4, PSO5
CO3	Ability to promptly recognise life threatening emergencies and Clinical dexterity in performing Basic life support with high quality chest compressions and ventilations in Infants and Pediatric patients.	PO1, PSO1, PSO2, PSO11
CO4	Develop Skills on Dental intervention with modifications in children before, during and after cancer treatment to prevent acute or long term side effects in oral cavity.	PO1, PO2, PO4 PSO1, PSO2, PSO3, PSO6, PSO12
CO5	Foundation for diagnosis, treatment selection, evaluation of effectiveness of treatment in Pediatric patients with acute recurrent or chronic pain. Assessment of pain using Pain measurement scales.	PO1 PSO1, PSO2, PSO3, PSO8, PSO12, PSO13
CO6	Ability to diagnose benign soft tissue lesion with appropriate medical and surgical management of pathologies.	PO1. PSO1, PSO2, PSO3, PSO4, PSO13, PSO14
CO7	Competent to take intraoral radiographs in Pediatric patients and interpret them	PO1, PO4, PO5 PSO12, PSO13, PSO14
CO8	Knowledge on oral health care for disabled children, Down's syndrome, Autism, ADHD etc.	PO1, PO2, PO4 PSO1, PSO2, PSO3, PSO10

	Outcome Evaluation (100 marks)	PO PSO CO MAPPING
ST	OSCE ( 8 x 10 = 80 marks) 8 clinical stations	PO1, PO2,PO4, PO5 PSO1, PSO2, PSO3, PSO4, PSO5, PSO6, PSO8, PSO10, PSO12, PSO13  CO1, CO2, CO3, CO4, CO5, CO6, CO7, CO8.
ST	Documentation (5 x4 = 20 marks)	PO1, PO2,PO4, PO5 PSO1, PSO2, PSO3, PSO4, PSO5, PSO6, PSO8, PSO10, PSO11,PSO12, PSO13  CO1, CO2, CO3, CO4, CO5, CO6, CO7, CO8.
Legend: • ST SUMMATIVE THEORY		

Outcome Analysis			
	Outcome Evaluation ( 100 marks)  Total Score (Summative= 100 marks)	PO PSO CO Mapping	Outcome Analysis 2021
ST	OSCE ( 8 x 10 = 80 marks) 8 clinical stations	PO1, PO2,PO4, PO5 PSO1, PSO2, PSO3, PSO4, PSO5, PSO6, PSO8, PSO10, PSO12, PSO13  CO1, CO2, CO3, CO4, CO5, CO6, CO7, CO8	70
ST	Documentation (5 x4 = 20 marks)	PO1, PO2,PO4, PO5 PSO1, PSO2, PSO3, PSO4, PSO5, PSO6, PSO8, PSO10, PSO11,PSO12, PSO13  CO1, CO2, CO3, CO4, CO5, CO6, CO7, CO8.	75

Legend:

- ST SUMMATIVE THEORY
- FT FORMATIVE THEORY